

# LIGHTING COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings including Group R2, R3 & R4 over 3 stories and all R1

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<b>Project &amp; Applicant Information</b>	<b>Project Title</b>	Goldfish Swim School - Tenant Improvement - 2018 WSEC	For Building Department Use:	<b>Date: Dec 01, 2022</b>
	<b>Project Address</b>	3500 South Meridian 900-30 Puyallup, WA 98373		
	<b>Applicant Name</b>	Kenneth Moreland		
	<b>Applicant Phone</b>	248-557-1062		
	<b>Applicant Email</b>	kmoreland@dorchenmartin.com		
For questions about this report, contact WSEC Commercial Technical Support at 360-539-5300 or via email at com.techsupport@waenergycodes.com				

<b>General Occupancy</b>	All Commercial		<b>General Building Use Type</b>	Entmt/Assembly, Natatorium	<b>Building Cond. Floor Area</b>	8,613	
<b>General Project Types</b>	Alteration	<b>New Building or Addition Lighting Scope</b>		<b>Alteration Lighting Scope</b>	Interior Lighting	<b>Project Cond. Floor Area</b>	8,613
						<b>Floors Above Grade</b>	1
						<b>Compliance Method</b>	Compliance Method 1 - General
<b>Lighting Project Description</b>	Alterations to existing Building						

<b>Lighting Compliance Scope and Method</b>	<b>Project Type</b>	<b>Interior / Exterior</b> (Interior includes both interior & parking)	<b>Luminaire Replacement Scope</b>	<b>Compliance Method</b>	<b>LPA Calculation Adjustment</b>	<b>Compliance Verification</b>
	Alteration	Interior Lighting	50% or more replaced	Building area	No Calculation Adjustments allowed	COMPLIES
<b>Additional Efficiency Options Included</b>	Reduced lighting power density credit					

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<b>Lighting Power Calculation</b>	ALTERATION - INTERIOR LIGHTING (50% or more replaced)				<b>Compliance Verification</b>	COMPLIES
<b>Compliance Method</b>	Building area		LPA Calculation Adjustment		none	

Interior Lighting Power Allowance - Building Area					
Building Areas	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1)	Total Proposed Watts By Building Area	Compliance Status by Building Area
School/university	8,613	0.70	6,029	5,295	COMPLIES

Proposed Lighting Power Density								
Fixture Type/Application	Fixture ID	Building Area	New or Existing-to-Remain	Quantity of Fixtures, CLDs or Luminaires (#F)	Watts per Fixture, CLD or Luminaire (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (#F x WpF) or (LF x WpLF)
<b>Individual Fixtures</b>								
Troffer	Type J	School/university	New	7	40			280
Recessed downlight	Type K	School/university	New	16	20			320
Suspended	Type B	School/university	New	11	150			1,650
Suspended	Type A	School/university	New	13	150			1,950
Suspended	Type B	School/university	New	3	150			450
Task lighting	Type C	School/university	New	6	13			78
Wall-mounted	Type E	School/university	New	13	19			247
Other fixture type	Type H	School/university	New	5	50			250
Other fixture type	Type G	School/university	New	2	35			70

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Proposed Fixtures Details		ALTERATION - INTERIOR LIGHTING (50% or more replaced)			
Fixture Type/Application	Fixture ID	Location in Documents	Lamp Type	Building Area	New or Existing-to-Remain
<b>Individual Fixtures</b>					
Troffer	Type J	E.101	LED	School/university	New
	Fixture Description: Light Panel			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls				
Recessed downlight	Type K	E.101	LED	School/university	New
	Fixture Description: Downlight			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls				
Suspended	Type B	E.101 & E.102	LED	School/university	New
	Fixture Description: Suspended			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls				
Suspended	Type A	E.101 & E.102	LED	School/university	New
	Fixture Description: Suspended			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls				
Suspended	Type B	E.101 & E.102	LED	School/university	New
	Fixture Description: Suspended			Are these fixtures located within a daylight zone?: Yes, controls provided	
	Daylight zone location(s):			Dimming method:	
	Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls				
Task lighting	Type C	E.101	LED	School/university	New
	Fixture Description: Track Lighting			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls				
Wall-mounted	Type E	E.101	LED	School/university	New
	Fixture Description: Wall Mount			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?:				
Other fixture type	Type H	E.101	LED	School/university	New
	Fixture Description: Vapor-tight Fixture			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls				
Other fixture type	Type G	E.101	LED	School/university	New
	Fixture Description: Strip Fixture			Are these fixtures located within a daylight zone?: No	
	Do these fixtures require specific application lighting controls?: Lighting for sale/demo, occupancy controls				